

## Product datasheet for **MR230905**

### **Slco2b1 (NM\_001252530) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slco2b1 (NM_001252530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slco2b1
Synonyms:	AI060904; AI852653; OATP-B; Slc21a9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR230905 representing NM\_001252530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGGCCAGAATAGGTGAGGGGCCCGGATGCCAGACAGGAGCACCAAGACCACAATGGGCACAGAAG  
 ATATGCATGAAAGGAAAGTCAGTGTGGAGCCTCAGGACTCACATCAGGATGCACAGCCCCGCGGATGTT  
 CCACAACATCAAGTTCCTTGTCTATGTACAGTCTACTGCAGCTGACACAGCTCATGATCTCTGGCTAC  
 CTCAAGAGCTCCATCTCCACAGTGGAAAAGCGCTTTGGGCTGTCCAGCCAGATCTCAGGGCTGCTAGCTG  
 CTTTCAATGAGGTAGGGAATGTATCCTTGATCTTATTTGTGAGCTATTCGGCAGCCGAGTGCACAGACC  
 CCGGATGATCGGCTATGGGGCTCTCCTGGTGGCCACGGCAGGCCTGCTCATGGCACTCCCTCACTTCATC  
 TCAGAACCATACCGCTATGACCACAGCAGCTCCGACAATAGGTCCTGGACTTTGAAGCATCCCTGTGCC  
 TGCCACGACTATGGCTCCAGCCTCTGCCCTGTCCAATGGCAGCTGTTCCAGTACACAGAAACCAAGCA  
 TCTGACCATGGTGGGGATCATGTTGCGCAGCACAGACCCTGCTTGGCATCGGTGGTGTGCCATACAGCCT  
 TTTGGGATCTCCTACATTGACGACTTTGCCACCATAGCAACTACCCCTCTACATTGGGATCTTGTTTG  
 GAATAACCACGATGGGGCTGGCCTGGCCTATGGGCTGGGTAGCCTCATGCTACGCCCTTATGTGGACAT  
 TGACCGGATGCCAGAAGGAGGCATCAACTTGACTCCAAAAGACCCAGATGGGTGGGTGCCTGGTGGCTG  
 GGCTTCTCATCTCTCAGGACTGGTGGTCTGGCTTCCAGCCCCACTTCTTCTCCCCAGAGAGATGC  
 CCAAGGAGAAACATGAGTTTCATTTAGGCGGAAGGTCTTGGCAAGTGGCCCTCCACTGCCAGCAAGGG  
 TGAGGACCTCTCTCCAGCAGCAGCCTTTAAAGAAACAGGCTGGATTGGCCAGATTGCCCCAGACTTG  
 ACTTTGGTCCAGTTTGTCAAAGTCTTCCCTAGGGTGTGCTGCGGAATCTGCGCCACCCCATCTTCTTGC  
 TGGTAGCCTGTCCAGGTGTGCACCTCATCCATGGTAGCGGGCATGGCCACCTTCTGCCTAAGTTCTG  
 GGAACGCCAGTTTTCCATCACAGCCTCCTTTGCCAACATGCTCCTTGGCTGCCTCACTATCCCTCTGGTC  
 ATCGTGGGCATCATGATGGGAGGTGCTTAGTCAAGCGCCTCCACCTGAGCCCGGTGCAGTGCAGTGCCC  
 TCTGCCTCCTCGGCTCGCTGTTGTGTCTGCTCTTCCAGCGTGCCGCTCTTCTTATTGGTGTCTACCCA  
 TCAAATTGCAGGCATCACACAAGACCTGGGTGCCAGCCAGGGCCAAGCCTGTTTCTGGCTGCTCAGAG  
 CCCTGCTCCTGCCAATCAGATGACTTTAACCTGTTTGTGATACCAGTGCCTATGTGGAGTACACCACAC  
 CCTGCCATGCAGGCTGCACAGGTCGTGTCGTCAGGAGGCTCTGGGCAAAGCCAGGTCTTCTACACCAA  
 CTGCAGCTGTGTGCAGGAATGGCACTGTTCTGCAAGTTCTGTGAGTCAGCCTGCAGCCGCTGGTG  
 CTGCCCTTCAATTGCTGTTTCCAGCTGGGGCGGGACTGGCCAGCATACCCACACACCTTCTTACATGC  
 TCATCCTGAGAGGTGTGAAGAAAGAAGATAAAACCTGGCAGTGGGGATGCAGTTCATGCTCCTGAGAGT  
 GCTGGCCTGGATGCCAGCCCTGTGATCCATGGCAGTGCATCGATACCACCTGTGTTCACTGGGCCCTG  
 ACCTGTGGGCGGAGAGCTGTCTGCCGCTACTACGACCATGACCTGCTCCGAAACCGATTATAGGCCTCC  
 AGTTTCTTTCAAAAGTGGATCCCTGGTGTGCTTACCTTAGTTTTGGCCATCTTGAGGCAACAGAGCAG  
 AGAGGCCAGCACCAGGACCCTGTAAGAGCTCGGAACACAACAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230905 representing NM\_001252530  
 Red=Cloning site Green=Tags(s)

MGPRIGEGPRMPDRSTKTTMGTEDMHERKVSVEPQDSHQDAQPRGMFHNIKFFVLCHSLLQLTQLMISGY  
 LKSSISTVEKRFG LSSQISGLLA AFNEVGNVSLILFVSYFGSRVHRPRMIGYGALLVATAGLLMALPHFI  
 SEPYRYDHSSSDNRSLDFEASLCLPTTMAPASAL SNGSCSSHTE TKHL TMVGIMFAAQ TLLGIGGVPIQP  
 FGI SYIDDFAHHSNSPLYIGILFGITTMGPGLAYGLGSLMLRL YVDIDRMPEGGINLTPKDRWVGAWWL  
 GFLISSGLVVLASSPYFFFPREMPKEKHEFHFRKVLASAASKGEDLSSQHEPLKKQAGLAQIAPDL  
 TLVQFVKVFPVLLRNLRHPIFLLVVL S QVCTSSMVAGMATFLPKFLERQFSITASFANMLLGCLTIPLV  
 IVGIMMGV L VKRLHLSPVQCSALCLLGSLLCLLFSVPLFFIGCSTHQIAGITQDLGAQGPSLFPGCSE  
 PCSCQSDDFNPVCDTSAYVEYTPCHAGCTGRVVQEALGKSQVFYTNCSVAGNGTVPAGSCESACSRLV  
 LPFIVL FSLGAGLASITHPSFMLILRGVKKEDKTLAVGMQFM LRLVLA WMPSPVIHGS AIDTTCVHWAL  
 TCGRRAVCRYDHDLLRNRF IGLQFFFKSGSLVCFTLVLA ILRQQSREASTRTTVKSSELQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

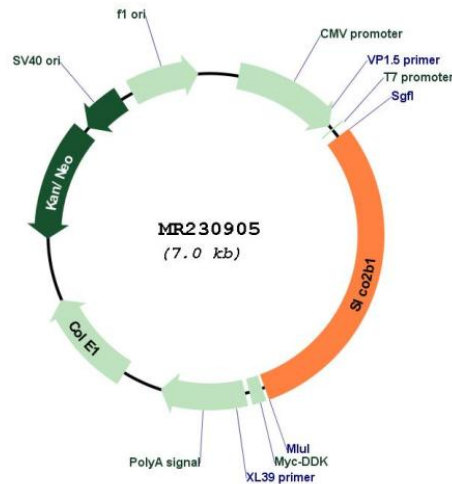
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



Plasmid Map:



ACCN: NM\_001252530

ORF Size: 2079 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001252530.1](#), [NP\\_001239459.1](#)

RefSeq Size: 4635 bp

RefSeq ORF: 2082 bp

Locus ID: 101488

UniProt ID: [Q8BXB6](#)

Cytogenetics: 7 E1

MW: 76 kDa

**Gene Summary:** Mediates the Na(+)-independent transport of organic anions such as taurocholate, the prostaglandins PGD2, PGE1, PGE2, leukotriene C4, thromboxane B2 and iloprost.  
[UniProtKB/Swiss-Prot Function]